

ABSTRACT OF THE DISCLOSURE

A loadlock. The loadlock for wafers includes a chamber, a pedestal, a retractable shaft, and a bellows. The chamber has a plurality of walls and a bottom surface. The pedestal supports a cassette and is
5 disposed in the chamber. The retractable shaft has a top end and a bottom end. The top end is connected to the pedestal and the bottom end is connected to the bottom surface as a reference for positioning the pedestal. The bellows has a first end and a second end. The first end
10 is disposed on the pedestal and the second end is sealed at the bottom end of the retractable shaft. Preferably, the retractable shaft is fully enclosed by the bellows.